

NOVEMBER/DECEMBER 2025

**23UEBC42 — MICROBIOLOGY – II
(ELECTIVE-IV)**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List the bacterial diseases.
2. Name organisms causing *Tinea pedis*.
3. Define fermentation.
4. What is symbiosis?
5. List the sources of airborne microbes.
6. Summarize the symptoms of Ebola.
7. What is Yogurt?
8. List and explain chemical sewage treatment methods.



9. Differentiate bacteria involved in food spoila.
10. Explain and assess the use of biofertilizers

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.



11. (a) Differentiate between cutaneous and systemic mycoses.

Or

- (b) Explain the symptoms and control of *S. pyogenes* infection.

12. (a) Describe the symptoms and control measures for polio.

Or

- (b) Explain the different types of hepatitis and their causative viruses.

13. (a) Discuss the process of purification of water.

Or

- (b) Explain the causative organisms of water borne diseases and related infections.

14. (a) Outline the protocol for the production of wine.

Or

- (b) Explain the importance of SCP.

15. (a) Interpret the role of phosphate solubilizing microorganisms.

Or

- (b) What are biopesticides? List their importance.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the microbial gastrointestinal diseases.
17. Discuss the Causative organism, Symptoms and control of AIDS.
18. Elaborate the biological methods involved in the sewage treatment
19. Describe the role of fermented dairy products in daily life.
20. Discuss the types and importance of biofertilizers.